

LAMP SURFACE-MOUNT CONCEALED HINGE **HES2S-150-A110** 110° Opening **NEW**Latest
Info

Passed Private 300K Cycle Test



- Surface mounts on the jamb side for easy installation.
- **Supports door thickness of 35 mm or more.**
- For doors with a thickness of 35 or 36 mm, centre mounting is possible, making the door non-handed (usable as both right-handed and left-handed).
- 3D Adjustment Post Installation: Adjust vertically, horizontally, and depth.

INSTRUCTION

SCREW

Parts included

- Countersunk head tapping screw 4x20 (4 pcs/hinge) Stainless
- Cross-recessed truss tapping screw 4x16 (4 pcs/hinge) Steel
- Hex key 3
- Door side drilling/frame side mounting template

Remarks

- Use with a door stopper to prevent opening farther than 110°.
- The hinge cannot be divided between the door and jamb.
- Use the selection tool to check the compatibility for your projects.

Usage Image

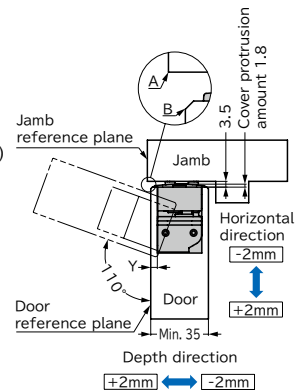
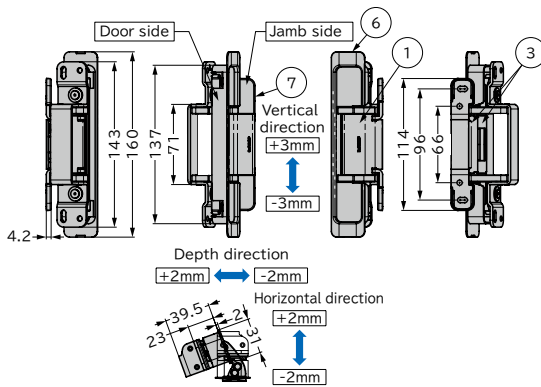
No mortising on the jamb side is required.

Locus Chart

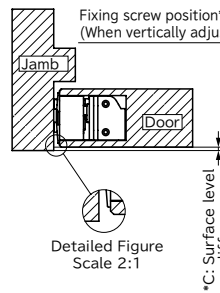
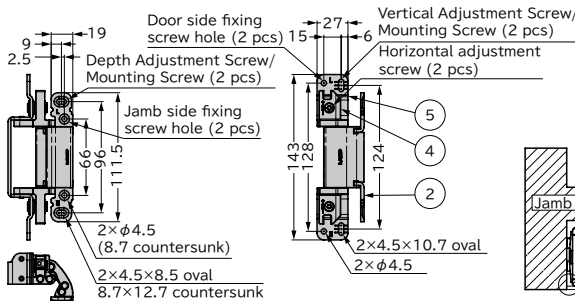
Drill at the door corner (B). The jamb corner (A) can be used even without machining.

Check the leading edge opening clearance in the table (P.64).

Y: Door Machining Margin	B: Door chamfering	A: Jamb chamfering
4.5 or below	1 or higher	-

**Dimensions**

*The illustration below shows the state when opened at 90° without a cover.

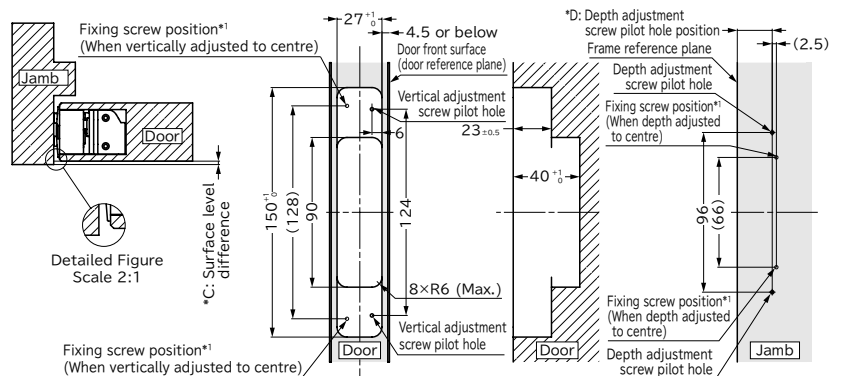


Detailed Figure Scale 2:1

Fixing screw position*1 (When vertically adjusted to centre)

Cut Out Dimensions

Drill pilot holes at the positions of the adjustment and locating screws.



*1 Vertical/depth adjustment is not possible when the fixing screws have been mounted. Be sure to adjust in the vertical/depth directions before drilling the fixing screw pilot holes and mounting the fixing screws.

No.	Part Name	Material	Finish / Colour
①	Body	POM	-
②	Base Plate	SPCC	Chrome
③	Arm	Zinc Alloy (ZDC)	Chemical Treatment
④	Inner Socket		Chrome
⑤	Outer Socket	SPCC	
⑥	Socket Cover	ABS	-
⑦	Base Plate Cover		

35 mm door (machining margin 4 mm)		36 mm door (machining margin 4.5 mm)	
*C: Surface level difference	*D: Adjustment screw pilot hole position	*C: Surface level difference	*D: Adjustment screw pilot hole position
0	19	0	19.5
1	20	1	20.5
2	21	2	21.5
3	22	3	22.5
4	23	4	23.5
5	24	5	24.5

Item Code	Item Name	Colour	Door Width	Door Height	Door Thickness	Door Weight kgf/2 pcs	Door Weight kgf/3 pcs	Opening Angle
170-056-969	HES2S-150-A110-WT	White	Max. 900	Max. 2700	Min. 35	40	50	110°
170-056-970	HES2S-150-A110-BL	Black						
170-056-971	HES2S-150-A110-WGR	Warm Grey						